irrespective of a difference in the abnormal events; and

an inherent data storing section for storing as the abnormality diagnostic data, inherent data which is inherent to each of the abnormal events.

4. (Amended) An abnormality diagnostic system according to claim 2, wherein a data length of the inherent data is constant irrespective of a difference in the abnormal events.

5. (Amended) An abnormality diagnostic system according to claim 2, wherein the inherent data includes a plurality of data, and a data length of each data is constant.

6. (Amended) An abnormality diagnostic system according to claim 2, wherein the storing means includes a common storing region in which each of the inherent data can be commonly stored, and

wherein the writing means writes the inherent data to the common storing region.

7. (Amended) An abnormality diagnostic system according to claim 6, wherein the common data includes data indicative of a behavior of the vehicle.

8. (Amended) An abnormality diagnostic system according to claim 6, wherein a data length of the inherent data is constant irrespective of a difference in the abnormal events.

9. (Amended) An abnormality diagnostic system according to claim 6, wherein the inherent data includes a plurality of data, and a data length of each data is constant.

10. (Amended) An abnormality diagnostic system according to claim 1, wherein the common data includes data indicative of a behavior of the vehicle.

11. (Amended) An abnormality diagnostic system according to claim 10, wherein a data length of the inherent data is constant irrespective of a difference in the abnormal events.

12. (Amended) An abnormality diagnostic system according to claim 10, wherein the inherent data includes a plurality of data, and a data length of each data is constant.

13. (Amended) An abnormality diagnostic system according to claim 1, wherein a data length of the inherent data is constant irrespective of a difference in the abnormal events.

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14. (Amended) An abnormality diagnostic system according to claim 13, wherein the inherent data includes a plurality of data, and the data length of each data is constant.

15. (Amended) An abnormality diagnostic system according to claim 1, wherein the inherent data includes a plurality of data, and a data length of each data is constant.

16. (Twice Amended) An abnormality diagnostic data storing method for storing, in a memory, abnormality diagnostic data corresponding to an abnormal event detected in a vehicle, comprising:

judging an abnormal event when an abnormality is detected;

selecting at least inherent data which is inherent to the abnormal event; and

storing selected inherent data in the memory as abnormality diagnostic data corresponding to the abnormal event for a plurality of abnormal events, together with common data which is common against all abnormal events irrespective of a difference in the abnormal events.

18. (Amended) An abnormality diagnostic data storing method according to claim 16, wherein a data length of the inherent data is constant irrespective of a difference in the abnormal events.

19. (Amended) An abnormality diagnostic data storing method according to claim 16, wherein the inherent data includes a plurality of data, and a data length of each data is constant.

20. (Amended) An abnormality diagnostic system capable of storing abnormality diagnostic data corresponding to an abnormal event detected in a vehicle, comprising:

a processor for identifying the detected abnormal event with a diagnostic code;

a common data storing section for storing as the abnormality diagnostic data for a plurality of abnormal events, common data which is common against all abnormal events irrespective of a difference in diagnostic codes; and

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an inherent data storing section for storing data selectively obtained in accordance with the diagnostic code, the data being identified as inherent data to the abnormal event.

21. (Amended) An abnormality diagnostic data storing method for storing, in a memory, abnormality diagnostic data corresponding to an abnormal event detected in a vehicle, comprising:

identifying a detected abnormal event with a corresponding diagnostic code;

selecting, based on the diagnostic code, at least inherent data which is inherent to the abnormal event; and

storing the selected inherent data in the memory as abnormality diagnostic data corresponding to the abnormal event for a plurality of abnormal events, together with common data which is common against all abnormal events irrespective of a difference in diagnostic codes.

22. (Amended) An abnormality diagnostic system according to claim 1, wherein the common data and the inherent data corresponding to detected abnormal events are stored in the common data storing section and the inherent data storing section respectively, as long as there are unused memory locations in the common data storing section and the inherent data storing section.

23. (Amended) An abnormality diagnostic system according to claim 1, wherein the common data and the inherent data corresponding to a first abnormal event are stored in a first memory area which is different from a second memory area in which the common data and the inherent data corresponding to a second abnormal event are stored.

24. (Amended) An abnormality diagnostic system according to claim 1, wherein the common data and inherent data corresponding to successively occurring and substantially same abnormal events, are stored in the common data and inherent data storing section for each of the substantially same abnormal events.

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Please add new Claims 25-51 to read:

25. (New) An abnormality diagnostic system according to claim 1, wherein the common data includes data indicative of a behavior of the vehicle, and

wherein the inherent data includes data of a component which relates to the abnormal event.

26. (New) An abnormality diagnostic system according to claim 1, wherein the inherent data includes data of a component which relates to the abnormal event.

27. (New) An abnormality diagnostic system according to claim 1, wherein the inherent data and common data corresponding to successively detected abnormal events are stored in an order in which the abnormal events are detected.

28. (New) An abnormality diagnostic system according to claim 1, wherein in addition to storing data corresponding to abnormalities in an order in which the abnormalities are detected, numbers or symbols corresponding to the order are also stored together with a diagnostic code and a freeze-frame data.

29. (New) An abnormality diagnostic system capable of storing abnormality diagnostic data corresponding to an abnormal event detected in a vehicle, comprising:

a common data storing means for storing as the abnormality diagnostic data for a plurality of abnormal events, common data which is common irrespective of a difference in the abnormal events and includes data indicative of behavior of the vehicle; and

an inherent data storing means for storing as the abnormality diagnostic data, inherent data which is inherent to each of the abnormal events and includes a data of a component which relates to the abnormal event.

30. (New) An abnormality diagnostic system capable of storing abnormality diagnostic data corresponding to an abnormal event detected in a vehicle, comprising:

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a common data storing section configured to store as the abnormality diagnostic data for a plurality of abnormal events, common data which is common against all abnormal events irrespective of a difference in the abnormal events; and

an inherent data storing section configured to store as the abnormality diagnostic data, inherent data which is inherent to each of the events.

31. (New) An abnormality diagnostic system according to claim 30, further comprising:

a memory configured to store the abnormality diagnostic data;

a processor configured to judge an abnormal event when the abnormality is detected;

a selecting unit configured to select the inherent data corresponding to the judged abnormal event; and

a writing unit configured to write the selected inherent data together with the common data to the memory as the abnormality diagnostic data corresponding to the abnormal event.

32. (New) An abnormality diagnostic system according to claim 31, wherein the common data includes data indicative of a behavior of the vehicle.

33. (New) An abnormality diagnostic system according to claim 31, wherein a data length of the inherent data is constant irrespective of a difference in the abnormal events.

34. (New) An abnormality diagnostic system according to claim 31, wherein the inherent data includes a plurality of data, and a data length of each data is constant.

35. (New) An abnormality diagnostic system according to claim 31, wherein the memory includes a common storing region in which each of the inherent data can be commonly stored, and

wherein the writing unit writes the inherent data to the common storing region.

36. (New) An abnormality diagnostic system according to claim 35, wherein the common data includes data indicative of a behavior of the vehicle.

37. (New) An abnormality diagnostic system according to claim 35, wherein a data length of the inherent data is constant irrespective of a difference in the abnormal events.

38. (New) An abnormality diagnostic system according to claim 35, wherein the inherent data includes a plurality of data, and a data length of each data is constant.

39. (New) An abnormality diagnostic system according to claim 30, wherein the common data includes data indicative of a behavior of the vehicle.

40. (New) An abnormality diagnostic system according to claim 39, wherein a data length of the inherent data is constant irrespective of a difference in the abnormal events.

41. (New) An abnormality diagnostic system according to claim 39, wherein the inherent data includes a plurality of data, and a data length of each data is constant.

42. (New) An abnormality diagnostic system according to claim 30, wherein a data length of the inherent data is constant irrespective of a difference in the abnormal events.

43. (New) An abnormality diagnostic system according to claim 42, wherein the inherent data includes a plurality of data, and the data length of each data is constant.

44. (New) An abnormality diagnostic system according to claim 30, wherein the inherent data includes a plurality of data, and a data length of each data is constant.

45. (New) An abnormality diagnostic system according to claim 30, wherein the common data and the inherent data corresponding to detected abnormal events are stored in the common data storing section and the inherent data storing section respectively, as long as there are unused memory locations in the common data storing section and the inherent data storing section.

46. (New) An abnormality diagnostic system according to claim 30, wherein the common data and the inherent data corresponding to a first abnormal event are stored in a first memory area which is different from a second memory area in which the common data and the inherent data corresponding to a second abnormal event are stored.

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47. (New) An abnormality diagnostic system according to claim 30, wherein the common data and inherent data corresponding to successively occurring and substantially same abnormal events, are stored in the common data storing section and inherent data storing section for each of the substantially same abnormal events.

48. (New) An abnormality diagnostic system according to claim 30, wherein the common data includes data indicative of a behavior of the vehicle, and

wherein the inherent data includes data of a component which relates to the abnormal event.

49. (New) An abnormality diagnostic system according to claim 30, wherein the inherent data includes data of a component which relates to the abnormal event.

50. (New) An abnormality diagnostic system according to claim 30, wherein the inherent data and common data corresponding to successively detected abnormal events are stored in an order in which the abnormal events are detected.

51. (New) An abnormality diagnostic system according to claim 30, wherein in addition to storing data corresponding to abnormalities in an order in which the abnormalities are detected, numbers or symbols corresponding to the order are also stored together with a diagnostic code and a freeze-frame data.

REMARKS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-51 are pending in the present application. Claims 1, 4-16 and 18-24 have been amended, and Claims 25-51 have been added by the present amendment.